

VA GROUND WATER PROTECTION STEERING COMMITTEE

The next meeting of the Steering Committee will be held on
Tuesday, September 19, 2006 from 9 a.m. to 11 a.m.

DEQ 629 East Main Street, Richmond VA

For more information contact Mary Ann Massie at 804-698-4042 or
email mamassie@deq.virginia.gov

Meeting Summary: Tuesday, July 18, 2006

Steering Committee members in attendance:

Mary Ann Massie, Department of Environmental Quality

Howard Freeland, Department of Environmental Quality

Valerie Rourke, Department of Environmental Quality

Rebecca Askew, Department of Agriculture and Consumer Services

George Harlow, US Geological Survey

Nicole Sandberg, Department of Conservation and Recreation

Steve Pellei, Department of Health

Guests:

Steve Werner, Draper Aden

Nancy Carr, Virginia Rural Water Association

Albert Crigger, Virginia Rural Water Association

Sandy Warner, Olver Inc.

Agencies not in attendance:

Virginia Cooperative Extension, Virginia Department of Housing and Community Development, Virginia Department of Business Assistance, Virginia Department of Mines, Minerals, and Energy and the Department of General Services/Division of Consolidated Laboratories.

Howard Freeland with DEQ's Office of Waste Permitting/Ground Water gave an overview of the regulations on Solid Waste Management Plans. The power point presentation, along with the regulations and FAQs, can be found on DEQ's web page at <http://www.deq.virginia.gov/waste/planning.html>

Mr. Dan Gwinner, dsgwinner@deq.virginia.gov, is the DEQ contact for the regulations.

AGENCY UPDATES:

Department of Environmental Quality

Mary Ann Massie, Water Resources Division, reported working with Tom Gray at VDH on evaluation criteria for the soon to be released wellhead protection implementation project's RFP. The tentative schedule for release is July 28 with proposals due September 8.

Mary Ann noted the second year workplan for the ground water protection grant has been approved by EPA Region III. She received a phone call from Peter Weber, EPA Region III Source Water Protection, expressing interest in a fall meeting with VDH, VRWA, Olver, and DEQ staff involved with wellhead protection activities.

Valerie Rourke, Water Quality Division, mentioned the continuing work of the Water Reclamation and Reuse Technical Advisory Committee. Also within the Division Valerie noted progress in the nutrient trading program and an interest at the director's level, through the Office of Wetlands and Water Protection, to seek federal delegation of the Clean Water Act's Section 404 water permit program. This will compliment DEQ's "401" program and reduce confusion and duplication of efforts in permit issuance. The State of Michigan was successful in their request for similar delegation.

Howard Freeland, Waste Division, reported a planned reorganization which will result in the establishment of an Office of Regional Coordination. One new FTE will be established to manage the group with staff shifting in from other program areas. Howard will continue oversight of the Hazardous Waste section.

Department of Agriculture and Consumers Services

Rebecca Askew noted a vacancy in AgStewardship with recruitment underway. She also reported the establishment of two FTE's in the VDACS Policy group. All three positions should be filled by early fall.

US Geological Survey

George Harlow reported on the availability of the following publication:

Physical Habitat Classification and Instream Flow Modeling to Determine Habitat Availability During Low-Flow Periods, North Fork Shenandoah River, Virginia

Increasing development and increasing water withdrawals for public, industrial, and agricultural water supply threaten to reduce streamflows in the Shenandoah River basin in Virginia. This investigation was designed to provide information to help balance human water-supply needs with the daily streamflows necessary for maintaining the aquatic ecosystems. Historic streamflow data and empirical data on physical habitat, river hydraulics, fish community structure, and recreation were used to develop a physical habitat simulation model. Aquatic habitat availability was analyzed during simulated historic drought periods and two water-withdrawal scenarios to assess the affects of increased water withdrawals or water conservation during drought periods.

Krstolic, J.L., Hayes, D.C., and Ruhl, P.M., 2006, Physical Habitat Classification and Instream Flow Modeling to Determine Habitat Availability During Low-Flow Periods, North Fork Shenandoah River, Virginia: U.S. Geological Survey Scientific Investigations Report 2006-5025, 63 p.

A pdf is available online a <http://pubs.water.usgs.gov/sir2006-5025/>

Department of Conservation and Recreation

No activity to report.

Department of Health

Steve Pellei reported activity in filling their Source Water Protection coordinator's position (formerly occupied by Chris Adkins).

Department of Business Assistance

Jim McKean provided the following update in absentia:

Ms. Louisa Strayhorn has been hired as the Director of DBA; Ms. Lynda Sharp Anderson has been hired as the Deputy Director of DBA.

Department of Housing and Community Development

Wyatt Little forwarded the following update on Virginia Community Development Block Grant awards (June 2006):

Project Name	Locality	Funding Sources	Funding Amount
Buchanan County Water system	Buchanan County	VCDBG, State, Local and Federal	\$ 1,479,993
Project Description: The County will provide a public water system for a community that currently experiences problems with the quantity and quality of the available water sources. Presently, these households are not served by a public water distribution system and rely on wells, springs, cisterns, and in some cases, hauling water from other sources, to meet their needs. The project will provide for the installation of 1,200 linear feet of six-inch water line, 19,550 linear feet of four-inch water line, 1,600 linear feet of two-inch service line, 2,200 linear feet of one-inch service line, 1,100 linear feet of three-quarter-inch service line, one 10,000 gallon water tank, three pitless booster pump stations, and 33 service meters. A total of 74 persons will benefit from this project, of whom 70 are low- to moderate- income.			
Project Name	Locality	Funding Sources	Funding Amount
Robbins Chapel Water Extension – Phase II	Lee County	VCDBG, State, and Federal	\$ 1,990,136
Project Description: The County will provide a public water system for the Hoover Hill, Shepherd Hill, and Sigma communities in the Robbins Chapel area. The residents in these areas rely on individual private systems which are generally poor in quality and do not provide an adequate quantity to meet their daily needs. This project will result in the installation of 2,000 linear feet of ten-inch water line, 1,000 linear feet of eight-inch water line, 25,750 linear feet of six-inch water line, 1,000 linear feet of four-inch water line, 4,000 linear feet of three-quarter-inch water line, a 75,000 gallon storage tank, a booster pump station, water service line and appurtenances, and 12 fire hydrants. A total of 174 persons will benefit from this project, of whom 135 are low- and moderate- income.			
Project Name	Locality	Funding Sources	Funding Amount
A.P. Carter Highway Water Project	Scott County	VCDBG, State, and Local	\$ 1,140,037
Project Description: The County will install a public water system for the A.P. Carter community, an area that has persistent problems with water quality and quantity. This project will result in the installation of 4,000 linear feet of eight-inch water line, 14,765 linear feet of six-inch water line, 6,500 linear feet of four-inch water line, 1,800 linear feet of three-quarter-inch water line, 4,175 linear feet of three-quarter-inch service line, and 20 fire hydrants. A total of 106 persons will benefit from this project, of whom 78 are low- and moderate- income.			
Project Name	Locality	Funding Sources	Funding Amount
Crooked Lane Housing Project	Town of Stephens City	VCDBG, Private, and Local	\$ 1,777,395
Project Description: The Town will partner with Habitat for Humanity to make comprehensive			

improvements in the Crooked Lane and Rowe Lane area. Through this project, three substandard homes will be rehabilitated to DHCD Housing Quality Standards and Habitat for Humanity will build five homes for low- income families in a newly created subdivision. The project will also result in the installation of 1,575 linear feet of eight-inch water sanitary sewer, 850 linear feet of six-inch water line, and demolition of one derelict structure. A total of 39 persons will be projected to benefit from this project, of whom 34 are low- and moderate- income.

Project Name	Locality	Funding Sources	Funding Amount
Lower Birchfield Water Extension	Wise County	VCDBG, State, and Local	\$ 2,374,007
Project Description: The Lower Birchfield community will be provided a reliable and safe public water system that will remedy water quality and quantity problems that have impacted the area. This project will result in the installation of 10,570 linear feet of eight-inch water line, 33,100 linear feet of six-inch water line, 5,950 linear feet of four-inch water line, 1,815 linear feet of two-inch water line, 3,200 linear feet of three-quarter- inch water line, a 91,000 gallon water storage tank, and 20 fire hydrants. A total of 198 persons will benefit from this project, of whom 142 are low- and moderate- income.			

Sandy Warner, Olver Inc., reviewed her annual report of wellhead protection activities. Olver is under contract with VDH for protection activities in select prioritized areas. Sandy's efforts in the third year resulted in twenty five waterworks participating in protection efforts. Olver's contract with VDH was extended a fourth year.

Nancy Carr, Virginia Rural Water Association, finalized her annual workplan which includes recruiting 13 VRWA waterworks for wellhead protection activities. Additionally she will lead two educational workshops this year on potential contaminant sources, specifically on site sewage disposal systems.

Albert Crigger, VRWA, reported his work with the ground water based system managers at Montgomery County Public Service Authority continues. They are refining their recharge area. He has three surface water based systems at varying stages of protection plan development as well.

Steve Werner, Draper Aden, noted continued interest in water supply management issues.

The meeting adjourned at 10:40 a.m.

OUR NEXT MEETING IS SET FOR TUESDAY, September 19, 2006. Mr. David Nelms with the US Geological Survey will give a presentation on a State observation well in Christiansburg that is sensitive to teleseismic waves generated by large earthquakes. **Please mark you calendar to attend.**